

Attorney's Docket No.: 12519-010US1 / P/43977.US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Porter, et al.

Conf. No. : 5028

Serial No. : 10/538,561

Filed : November 23, 2005

Title : PRECODING OF CONTENTION WORDS IN A FIXED WIRELESS ACCESS SYSTEM

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Please correct the Filing Receipt for the above-referenced application to include the following corrected information denoted in bold:

Applicant(s): John David Porter, **Cambridge**, UNITED KINGDOM

Priority Data: This application is a 371 of PCT/GB03/05039 11/19/2003

Foreign Applications: UNITED KINGDOM 0229065.8 12/12/2002

Please supply a corrected Filing Receipt to the undersigned with respect to this application. A copy of the original Filing Receipt showing the desired changes in red ink is

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attached for your convenience. Also enclosed is the first page of International Application No. PCT/GB03/05039 to which the instant application claims priority.

No fee is believed to be due. If, however, there are any charges or credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 23, 2006



Scott O. Harris
Reg. No. 32,030

Fish & Richardson P.C.
PTO Customer No. **20985**
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San Diego, California 92130
Telephone: (858) 678-5070
Facsimile: (858) 678-5099

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
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Cambridge

John David Porter, Cambridge, UNITED KINGDOM;
Stephen David Greaves, Cambridge, UNITED KINGDOM;
Malcolm Paul Sellars, Ely, UNITED KINGDOM;

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/GB03/05039 ~~11/12/2002~~ 11/19/2003

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0229065.8

Projected Publication Date: 05/25/2006

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Precoding of contention words in a fixed wireless access system

Preliminary Class

455

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(71) Applicant (for all designated States except US): **CAMBRIDGE BROADBAND LIMITED** [GB/GB]; Selwyn House, Cambridge Business Park, Cowley Road, Cambridge CB4 0WZ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PORTER, John, David** [GB/GB]; Selwyn House, Cambridge Business Park, Cowley Road, Cambridge CB4 0WZ (GB). **GREAVES, Stephen, David** [GB/GB]; Selwyn House,

Cambridge Business Park, Cowley Road, Cambridge CB4 0WZ (GB). **SELLARS, Malcolm, Paul** [GB/GB]; Selwyn House, Cambridge Business Park, Cowley Road, Cambridge CB4 0WZ (GB).

(74) Agent: **ANDREWS, Arthur, Stanley; Reddie & Grose**, 16 Theobalds Road, London WC1X 8PL (GB).

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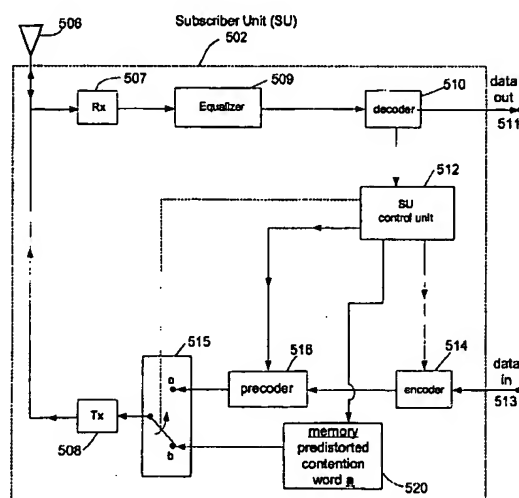
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[Continued on next page]

(54) Title: **PRECODING OF CONTENTION WORDS IN A FIXED WIRELESS ACCESS SYSTEM**



(57) Abstract: A fixed wireless access communications system comprises an access point and a plurality of subscriber units. Each subscriber unit (502) contends for access to a communications channel to the access point by transmitting a contention word to the access point during a contention time slot. The contention word is predistorted to compensate for the channel impulse response of the transmission channel so that the access point can decode the contention words without using equalisation. A control unit (512), which may comprise a microprocessor, loads the predistorted contention word (a) into a memory (520) and causes the stored predistorted contention word (a) to be applied to a transmitter (508) during a contention time slot when the subscriber unit (502) wishes to request a transmission channel to transmit data to the access point.